

[AdChoices](#)

Ford Valve Body

Transmission Repair

Saturn Parts

SaturnFans.com Forums > [Categories](#) > [How-To Library](#)
Valve Body Replacement

Welcome, Zeebins.
You last visited: 01-22-2020 at 06:58 PM
[Private Messages](#): Unread 0, Total 20.

User CP

FAQ

Members List

Groups

Calendar

Chat Room ▼

New Posts

Search ▼

Quick Links ▼

Log Out

[Advanced Forum Search](#) | [Advanced Photo Search](#)

post reply

Page 1 of 3 [1](#) [2](#) [3](#) > ▼

[AdChoices](#)

Rebuilt Motors

Front Oil Seal

Rebuilt 4L60E

Thread Tools ▼

Search this Thread ▼

Rate Thread ▼

Display Modes ▼

11-16-2006, 11:19 AM

#1

[vlad06](#)
New Member
Join Date: Nov 2006
Posts: 2
[vlad06's Photos](#)

Valve Body Replacement

If you getting Reverse "Slam" or similar problems – just replace the Valve Body. It is easy and cheap enough.

Saturn wants \$680 so I bought remanufactured Valve Body (\$268) from TRANSTAR – the distributor of Valve Body Express (VBX).

<http://www.valvebodyexpress.com/catalog/saturn/taat.asp>

Valve Body Replacement Procedure (how I did it)

*** It is not necessary to drain the transaxle before replacing the Valve Body.

1. Place Control Lever to "Park" and leave the car overnight so the fluid can cool and drain from the Valve Body to the bottom part of the transaxle.
2. Disconnect Negative then Positive Battery terminals (8mm socket)
3. Remove the Battery strap – 2 bolts and 1 nut (10mm socket)
4. Remove the air filter and air duct.
5. Remove air filter housing - 3 bolts (10mm socket)
6. Remove 2 bolts holding the Control Module to battery tray (10mm socket). Move the module out of the way without disconnecting the cable.
7. Remove the battery tray – 2 bolts from the top, one from wheel well (13mm socket)
8. *** If your car has ABS brake system – you also need to disconnect Master Cylinder to gain access to Valve Body Cover.
9. Move any cables/hoses away from the top of Valve Body Cover, secure those with cable tie if necessary.
10. *** Wipe off any dust before further disassembly. Use some Brake Cleaner.
11. Loosen the bolt securing electrical connector on the top of Valve Body cover (7mm socket). Then carefully unplug the connector. Move it aside.
12. Remove 8 bolts that hold Valve Body Cover (8mm socket). Carefully slide the cover towards the front of the car and out. Be careful not to bend the cover.
13. Remove 11 bolts holding the valve body (8mm socket). The bolts are all different length so make note of their positions. I used the egg tray with numbers 1- to-11
14. Carefully slide the Valve Body assembly toward the front of the car and up. At this moment the Manual Valve Link will slide out of the hole in Manual Valve. Be careful not to drop the Manual Valve. Note that the plastic clip is facing toward the front of the car.
15. Place the Valve Body assembly on the bench. Carefully slide the Manual Valve out. Also remove the bolt holding Spring Lever (8mm socket). You have to reuse the Spring Lever and the Manual Valve.
16. At this point it is a good idea to inspect the condition of each gear and clutch pack for wear. You can rotate Input Shaft by hand and visually inspect everything.
17. Install the Spring Lever onto new Valve Body. Tighten the bolt.
18. Lubricate with ATF then carefully slide the Manual Valve into new Valve Body.
19. Using extra care not to damage the bottom gasket move the new Valve Body into place. At the same time lift the Manual Valve Link slightly so it is inline with the corresponding hole in Manual Valve. The plastic clip must face toward the front of the car. Now carefully place the Valve body in position.
20. Install 11 bolts starting with two dowel bolts #8 and #9 to get proper alignment.
21. Finger tight all 11 bolts.
22. Using inch-pounds torque wrench (I loaned one from local auto parts store) tighten the bolts in a recommended sequence to 97 inch-pounds.



23. It is a good idea to have somebody move the Control Lever trough all positions so you can watch the Manual Valve movement.

24. Install the Valve Body Cover and Gasket (I was able to reuse the old one), finger tight the 8 Cover bolts then tighten those in a recommended pattern to 89 inch-pounds.

25. Plug the connector, install everything is reverse of removal.

26. Start the car, let it run for a few minutes then place it into Reverse then into Drive.

27. Check for leaks. Enjoy driving. No more Slam, Haah ?

*** I did not have to reset any adaptives – the car itself relearned everything.

Good luck...

REWARD EXCELLENCE!

 Rate the quality of this post and help *vlad06* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



SaturnFans.com Sponsored Links

11-16-2006, 12:22 PM

#2

[K-1](#)
Master Member

Join Date: Jun 2003
Location: Ann Arbor, Michigan
Posts: 2,654
[K-1's Photos](#) 
2008 Astra XR


 **Re: Valve Body Replacement how-to procedure**

A loose input shaft nut has also been shown to promote the "reverse slam," so replacing the valve body is only part of the solution.

...

Toyota: Moving Forward... off a cliff at a high rate of speed.

REWARD EXCELLENCE!

 Rate the quality of this post and help *K-1* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



11-16-2006, 03:01 PM

#3

[vlad06](#)
New Member

Join Date: Nov 2006
Posts: 2
[vlad06's Photos](#) 


 **Re: Valve Body Replacement how-to procedure**

The Input Shaft Nut gets loose because of repeated "slamming".

The primary cause of failure is worn Pressure Regulator inside the Valve Body. If the problem is caught early - the only part that needs replacement is the Valve Body.

REWARD EXCELLENCE!

 Rate the quality of this post and help *vlad06* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



12-02-2006, 07:49 PM

#4

[TXTABBY](#)
Member

Join Date: Jul 2005
Location: Austin, TX
Posts: 136
[TXTABBY's Photos](#) 
1994 SL2


 **Re: Valve Body Replacement how-to procedure**

Good how-to list. Referring to the input shaft nut being loose, I doubt mine is, due to how I shift into reverse since I've had the 'reverse-slam' issue...nice and slow, stop, count to 2, then move shifter to reverse and it shifts smooth without the 'slam'.

...

Usetahave 1994 SL2 105,000 mi. avg. 29-30 mpg
Austin, TX

REWARD EXCELLENCE!

 Rate the quality of this post and help *TXTABBY* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



12-28-2009, 04:10 PM

#5

[alfasteve](#)
Junior Member

Join Date: Jul 2005
Location: Austin, TX
Posts: 136


 **Re: Valve Body Replacement**

In this very good write up on valve body replacement I have but one question. There is reference to lining up with the correct port when replacing the manual valve. How do you determine the correct port? I know the plastic tip must face

www.saturnfans.com/forums/showthread.php?t=88984

2/7



Join Date: Nov 2008
Location: Sparta,NJ
Posts: 31

2002 SC1



forward, but how specific does the position of the valve need to be?

Any input is appreciated.
Steve

REWARD EXCELLENCE!



Rate the quality of this post and help *alfasteve* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



04-04-2010, 07:50 PM

#6

[xtra2b](#)

Junior Member

Join Date: Mar 2008
Posts: 27



Re: Valve Body Replacement

Any pictorial of how to replace valve body? Thanks☹

REWARD EXCELLENCE!



Rate the quality of this post and help *xtra2b* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



06-14-2010, 09:26 PM

#7

[TCCustoms](#)

Member



Join Date: Jan 2009
Location: South MI
Posts: 64

1999 SC2



Re: Valve Body Replacement

yup, did my valve body and it didnt take care of it completely so im gonna do the input and output shaft nuts as i ordered them and the end cover gasket and only costed me \$9 and shipping was \$10...go figure so im gonna have them add the ECTS in the mix and have it shipped also! I hope all this CRAP fixes my car cuz if it dont....Im selling it cuz i cant handle it anymore! BLAH☹☹☹

REWARD EXCELLENCE!



Rate the quality of this post and help *TCCustoms* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



07-11-2010, 12:52 AM

#8

[sdheavymetal](#)

Member

Join Date: Jun 2010
Location: San Diego CA
Posts: 90

1992 SL2
1997 SL2



Re: Valve Body Replacement

I had a reverse slam when hot. I replaced the valve body today and fix it. Thanks to all who posted. I would recommend if you do your valve body look at the rebuilt valve body to see which bolts to remove. Then loosen the bolts all the way but dont remove the bolts from the valve body. Lift the valve body out with all the bolts in it. Set the rebuilt valve body on car and move the bolts one at a time to the rebuilt valve body. good luck.

REWARD EXCELLENCE!



Rate the quality of this post and help *sdheavymetal* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



07-11-2010, 04:09 PM

#9

[TCCustoms](#)

Member



Join Date: Jan 2009
Location: South MI
Posts: 64

1999 SC2



Re: Valve Body Replacement

well i did notice today as long as i keep the A/C on the car doesnt go over 1/4 or stays right at it and it doenst slam...BUT if i shut the car off and walk away from it for 10-20 and come back the first few gears and even when putting it in drive it jumps a bit but doesnt slam and after goin through the 3rd it goes back to normal but NO slamming!

REWARD EXCELLENCE!



Rate the quality of this post and help *TCCustoms* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



08-05-2010, 10:44 PM

#10

[campus189](#)

Member

Re: Valve Body Replacement

[Heres a video on how to do it...](#)

Let me know what you think ☺

 Join Date: Jul 2010 Location: Kingsport Tennessee Posts: 397 1997 SL1 1997 SL2 	REWARD EXCELLENCE!  Rate the quality of this post and help <i>campus189</i> reputation points. Click the reputation button near the bottom left corner of this message box. Thank you! 
08-06-2010, 08:06 AM #11	
TCCustoms Member  Join Date: Jan 2009 Location: South MI Posts: 64 1999 SC2 	Re: Valve Body Replacement got mine all done.... First off the valve body i bought as a Reman still had the bad pressure solenoid and a bad gasket so i put a new gasket in and found to be the right shape but the wrong passage ways so i lost reverse and drive(had to start out in 2nd to take off) then got another valvebody from them(guaranteed to be serviced) and now all is better. Slamming is gone and shifts good! REWARD EXCELLENCE!  Rate the quality of this post and help <i>TCCustoms</i> reputation points. Click the reputation button near the bottom left corner of this message box. Thank you! 
10-02-2010, 08:01 AM #12	
Donovan299 New Member Join Date: Sep 2010 Posts: 4 	Re: Valve Body Replacement Just replaced my valve body, now the car won't start in park , but will in neutral. Also, if the gear selector is in drive the transmission is in reverse. What did I do wrong? 1994 SL2, TAAT. REWARD EXCELLENCE!  Rate the quality of this post and help <i>Donovan299</i> reputation points. Click the reputation button near the bottom left corner of this message box. Thank you! 
10-02-2010, 10:29 PM #13	
Chazberry Master Member  Join Date: Feb 2005 Posts: 7,103 1995 SW2 2003 VUE 3.0L 	Re: Valve Body Replacement Quote: Originally Posted by Donovan299  <i>What did I do wrong?</i> No doubt something related to the shift linkage - starting at 10:54 of this video . . . http://www.youtube.com/watch?v=iydt4TLPXyg&NR=1 REWARD EXCELLENCE!  Rate the quality of this post and help <i>Chazberry</i> reputation points. Click the reputation button near the bottom left corner of this message box. Thank you! 
11-23-2010, 11:39 AM #14	
pfmsound New Member Join Date: Nov 2010 Posts: 3 	Re: Valve Body Replacement First of all....THANK YOU for this thread. couldn't have done it without you. I did both the valve body and an input bolt tightening with was loose. The VB did the trick. 2nd and Reverse works great now...BUT I now have infrequent shifting to 4th (overdrive) and when it does shift to 4th it's not really there! it's like shifting to Neutral! HELP - Any suggestions REWARD EXCELLENCE!  Rate the quality of this post and help <i>pfmsound</i> reputation points. Click the reputation button near the bottom left corner of this message box. Thank you! 
11-24-2010, 08:48 PM #15	
Chazberry Master Member	Re: Valve Body Replacement



Join Date: Feb 2005
Posts: 7,103

1995 SW2
2003 VUE 3.0L



Quote:

Originally Posted by **pfmsound**

First of all...THANK YOU for this thread. couldn't have done it without you. I did both the valve body and an input bolt tightening with was loose. The VB did the trick. 2nd and Reverse works great now...BUT I now have infrequent shifting to 4th (overdrive) and when it does shift to 4th it's not really there! it's like shifting to Neutral! HELP - Any suggestions

From the FSM . . .

<http://i814.photobucket.com/albums/z...rry/TAAT46.jpg>

<http://i814.photobucket.com/albums/z...rry/TAAT47.jpg>

REWARD EXCELLENCE!



Rate the quality of this post and help *Chazberry* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



11-24-2010, 09:00 PM

#16

Chazberry

Master Member

7,103



Join Date: Feb 2005
Posts: 7,103

1995 SW2
2003 VUE 3.0L



Re: Valve Body Replacement

Quote:

Originally Posted by **pfmsound**

HELP - Any suggestions

Another thread maybe worth reading . . .

<http://www.saturnfans.com/forums/showthread.php?t=160247>

REWARD EXCELLENCE!



Rate the quality of this post and help *Chazberry* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



01-06-2011, 09:15 AM

#17

Ecomike

Member

291

Join Date: Jan 2011
Posts: 291

2001 SL1



Re: Valve Body Replacement

2001 Saturn SL1, Automatic, how do you drain the fluid to change it? I can not find a drain plug anywhere?😞

Does anyone know if the air and coolant temperature sensors are the same as the Transmission temperature sensor? Mine seems to be the original, and leaking inside the connector area!

REWARD EXCELLENCE!



Rate the quality of this post and help *Ecomike* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



01-30-2011, 01:07 PM

#18

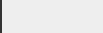
Ecomike

Member

291

Join Date: Jan 2011
Posts: 291

2001 SL1



Re: Valve Body Replacement

Well I found the drain plug. It was just too tight.

The three temp sensors seem to be the same part. I still need to replace two of them and one connector.

I bought and installed a beefed up, rebuilt valve body off of ebay.

I about half expected this transmission to blow up tossing gears and case material all over the neighborhood after loosing 2 parts (manual valve and one bolt), and never finding them (which left me thinking they might be in the bottom of the T case) while replacing the valve body, with a beefed up rebuilt valve body.

Except for some steady medium frequency buzzing in "2" and "N", and a little in "R", (sounds like an electric solenoid coil buzzing, or a chattering valve buzzing), it shifting and drove perfectly. No more reverse, 1-2, or 2-3 shift slam!!!!😄

Never did find the missing parts. The manual valve turned out to be non-magnetic, so the 3ft long, magnetic tipped snake search in the T case was a waste of time. I lost the manual valve while trying to install the valve body. It really is a 2 man job reinstalling the valve body, otherwise you risk damaging the lower gasket and losing the manual valve as you try to connect the rear linkage back up to the manual valve!!!!

After several test drives and adding T fluid, it through a service engine light message. Will post more later, when I get the codes. I think I need to replace two temp sensors and one wiring harness connector for the Temp sensor of the Transmission Case. The connector and temp sensor on the T case were in bad shape. The connector had heat and transmission fluid damage near as I could tell. The connector literally crumbled. Had to tape it on for the tests.

REWARD EXCELLENCE!



Rate the quality of this post and help *Ecomike* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!



04-28-2011, 04:04 AM

#19

[keithreed](#)
Junior Member

Join Date: Apr 2011
Posts: 14

Re: Valve Body Replacement

Thanks for this!

REWARD EXCELLENCE!

Rate the quality of this post and help *keithreed* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!

quote

08-29-2011, 02:50 PM

#20

[Short](#)
Junior Member

Join Date: Jun 2011
Location: Socorro, NM
Posts: 14

1998 SW2

Re: Valve Body Replacement

This is an excellent post, thank you.

I'm about to perform this same operation on my 98 SW2. What gaskets need to be replaced? Is the gasket you refer to in the instructions rubber or paper? If paper, should I replace it or just be gentle and reuse it?

Thanks

REWARD EXCELLENCE!

Rate the quality of this post and help *Short* reputation points. Click the reputation button near the bottom left corner of this message box. Thank you!

quote

post reply

Page 1 of 3123>

[« Previous Thread](#) | [Next Thread »](#)

Quick Reply

Message:

B *I* U

Please click one of the Quick Reply icons in the posts above to activate Quick Reply.

Options

☐ Quote message in reply?

☒ Show your signature

Post Quick Reply

Go Advanced

Currently Active Users Viewing This Thread: 1 (1 members and 0 guests)

[Zeebins](#)

Posting Rules

You **may not** post new threads

You **may** post replies

You **may** post attachments

You **may** edit your posts

BB code is **On**

Smilies are **On**

[IMG] code is **On**

HTML code is **Off**

[Forum Rules](#)

Forum Jump

How-To Library

▼

Go

Similar Threads				
Thread	Thread Starter	Forum	Replies	Last Post
Valve Body Replacement	andy_95sl2	S-Series Tech	18	11-03-2014 03:50 PM
valve body replacement	bdobraj	S-Series General	57	05-04-2009 08:42 PM
Valve Body Replacement?	cslade	S-Series Tech	1	09-12-2007 09:48 PM
Valve Body Replacement	Mike1969	S-Series Tech	5	08-30-2006 09:39 PM
Valve body replacement	nick95sl2	S-Series General	0	09-28-2005 07:22 AM

All times are GMT -5. The time now is 12:22 AM.

Search SaturnFans.com

[Advanced Forum Search](#) | [Advanced Photo Search](#)

www.saturnfans.com/forums/showthread.php?t=88984

6/7

Powered by vBulletin® Version 3.8.9
Copyright ©2000 - 2020, vBulletin Solutions, Inc.
SaturnFans.com. The Saturn Enthusiasts Site.